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University of Toronto

President's Report

For the Year ending
30th June, 1908



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PRESIDENT'S REPORT, 1907-1908.

To the Governors of the University of Toronto :

GENTLEMEN,—I beg to submit for your consideration the following report upon the progress and efficiency of the academic work of the University and of University College during the twelve months ending June 30th, 1908.

During the Session 1907-08 the total staff of the University of Toronto, including Victoria, Trinity and St. Michael's Colleges, numbered 356 of whom there were 319 in the University and University College, consisting of 95 professors and associate professors, 39 permanent lecturers, and 185 holding sessional appointments. More specifically the distribution was as follows:—

Faculty of Arts.	Professors.	Associate Professors.	Lecturers.	Sessional Appointments.
University.....	16	16	9	60
University College.....	*8	6	5	*5
Victoria College.....	*11	.....	4	3
Trinity College.....	5	.....	5	2
St. Michael's College.....	7	.....	.....	.....
Total in Arts.....	67	.....	23	69
Faculty of Medicine.....	39 (+7)	.....	15 (+4)	40 (+35)
Faculty of Applied Science.....	9 (+10)	.....	8 (+2)	34 (+6)
Household Science.....	2 (in Arts)	.....	.....	5 (in Arts)
Faculty of Forestry.....	1	.....	2	.....
Totals.....	118	.....	48	190

* One of these in the University of Toronto.

The numbers in brackets represent those from other faculties.

There were the following changes in the permanent staff:—Dr. J. M. MacCallum resigned the chair of Therapeutics, which he had held since October, 1890, and in May, Dr. R. D. Rudolf was appointed in his place. W. Lash Miller, Ph.D., was appointed professor of Physical Chemistry, and W. S. Milner, M.A., professor of Ancient History. A. H. Abbott, Ph.D., was appointed associate-professor of Philosophy; F. B. Allan, Ph.D., associate-professor of Organic Chemistry; C. A. Chant, Ph.D., associate-professor of Astro-physics; J. H. Faull, Ph.D., associate-professor of Botany; and G. W. Johnston, Ph.D., associate-professor of Latin.

The lectures given at Trinity College by members of the University staff were :

First Year :

Algebra	Professor De Lury.
Analytical Geometry	Professor Baker.
Trigonometry	Professor Mackenzie.
Biology	Professor Wright.
Italian	Professor Davidson.

Second Year :

History	Mr. Kylie.
Logic	Professor Tracy.
History of Philosophy	Professor Abbott.
Psychology	Mr. Robinson.
Geology	Professor Parks.
Economics	Professor Mavor.

Third Year :

History	Mr. Kylie and Mr. Feiling.
English Constitutional History	Professor Young.
Italian	Professor Fraser.

Fourth Year :

History	Professor Wrong.
Canadian Constitutional History	Professor Young.
Ethics	Mr. Smith.
Economics	Professor Mavor.

The number of students in attendance was 3,545, of whom

1,774 were in the Faculty of Arts.

755	"	Medicine.
724	"	Applied Science.
73	"	Household Science.
211	"	Education.
8	"	Forestry.

Of those in the Faculty of Arts

244	were registered in the	University of Toronto.
942	"	University College.
446	"	Victoria College.
142	"	Trinity College.

The 244 students registered in the University of Toronto in the Faculty of Arts were divided as follows :

Candidates for Ph.D.....	13
" M.A.....	79
Graduate students.....	2
Dental students.....	52 (taking Arts subjects only).
In Teachers' Courses	33
In Summer Session	65

The students in University College were enrolled as follows :

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Oriental.	Ethics.
<i>First Year :</i>								
Pass	29	231	194	310	167	144	117	.....
Honours	15	26	.....	152	69	129	.....	.....
<i>Second Year :</i>								
Pass	26	137	.....	214	73	79	62	.....
Honours	8	11	59	70	47	59	6	.....
<i>Third Year :</i>								
Pass	6	53	.....	132	22	26	51	47
Honours	4	6	4	38	23	33	4	8
<i>Fourth Year :</i>								
Pass	7	25	.....	137	15	20	27	24
Honours	8	12	5	45	27	28	7	13
<i>Totals :</i>								
Pass	68	446	194	793	277	269	257	71
Honours	35	55	68	305	166	249	17	21

The students in Victoria College were enrolled as follows :

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Oriental.	Ethics.
<i>First Year :</i>								
Pass	21	70	51	139	57	44	34	.....
Honours	7	7	13	45	31	33	.....	.....
<i>Second Year :</i>								
Pass	12	47	.....	79	23	36	24	.....
Honours	3	1	9	10	8	9	3	.....
<i>Third Year :</i>								
Pass	3	12	.....	85	8	15	11	30
Honours	4	3	4	18	13	13	3	14
<i>Fourth Year :</i>								
Pass	1	14	.....	16	5	6	7	4
Honours	3	1	1	9	9	10	2	12
<i>Totals :</i>								
Pass	37	143	51	319	93	101	76	34
Honours	17	12	27	82	61	65	8	26

The students in Trinity College were enrolled as follows :

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Oriental.	Ethics.
<i>First Year :</i>								
Pass.....	16	44	30	29	17	24	2	.....
Honours.....	4	3	15	24	7	15	1	.....
<i>Second Year :</i>								
Pass.....	15	32	.....	32	16	21	7	.....
Honours.....	7	7	12	10	3	5	.....	.....
<i>Third Year :</i>								
Pass.....		15	.....	11	7	10	2	10
Honours.....		1	1	8	9	7	.....	2
<i>Fourth Year :</i>								
Pass.....	1	7	.....	7	6	8	.....	7
Honours.....	2	2	2	5	3	4	.....	3

Totals :

Pass.....	73
Honours.....	65
	138

The students in St. Michael's College were enrolled as follows :

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Oriental.	Ethics.
<i>First Year :</i>								
Pass.....	19	19	19	19	4	14	.....	.....
<i>Second Year</i>			Philosophy.					
Pass.....	.....	9	9	9	3	6	.....	.....

Of the 1,774 students in the Faculty of Arts 1,233 were regular students in the undergraduate course. Of these 1233, 405 took the General Course, and 828 various Honour Courses, the largest being Modern Languages 164, Political Science 126, English and History (both branches) 100, Philosophy 96, Mathematics and Physics 69, Biological and Physical Science 66, Natural Science 63, and Classics 52.

For Further details see Appendix A.

in the Faculty of Medicine the numbers by years were :

First Year	-	-	-	-	-	-	239
Second Year	-	-	-	-	-	-	172
Third Year	-	-	-	-	-	-	142
Fourth Year	-	-	-	-	-	-	150
Dentals	-	-	-	-	-	-	52

In the Faculty of Applied Science the numbers by years were :

First Year	-	-	-	-	-	314
Second Year	-	-	-	-	-	205
Third Year	-	-	-	-	-	143
Fourth Year	-	-	-	-	-	58
Occasional and Arts	-	-	-	-	-	4

Of the 3,545 students: 2,680 were men and 865 women. The women students were distributed as follows :

Candidates for Ph. D.	-	-	-	-	-	1
Candidates for M. A.	-	-	-	-	-	22
Teachers' Courses	-	-	-	-	-	30
Summer Session	-	-	-	-	-	35
University College	-	-	-	-	-	330
Victoria College	-	-	-	-	-	148
Trinity College	-	-	-	-	-	53
Faculty of Medicine	-	-	-	-	-	25
Faculty of Education	-	-	-	-	-	148
Faculty of Household Science	-	-	-	-	-	73

The geographical distribution of the students is as follows :

FACULTY OF ARTS.

	University of Toronto.	University College.	Victoria College.	Trinity College.	Total.
Ontario :					
(I) Province.....	128	429	293	84	934
(II) Toronto.....	98	394	109	39	640
Nova Scotia		6			6
New Brunswick	2	6	1		9
Prince Edward Island	1				1
Quebec	2	1	3		6
Manitoba	4	13		1	18
Saskatchewan	1	18	7	1	27
Alberta		13	3	2	18
British Columbia.....	2	12	13	2	29
United States	5	22	2	7	36
Elsewhere	1	28	15	6	50

FACULTY OF MEDICINE.

	First Year.	Second Year.	Third Year.	Fourth Year.	Total.
Ontario :					
(I) Province.....	158	118	96	99	471
(II) Toronto.....	53	32	34	35	154
Nova Scotia		1			1
New Brunswick		1			1
Prince Edward Island	1				1
Quebec			1	1	2
Manitoba	2	1			3
Saskatchewan	4	4	2	4	14
Alberta	7	2	4		13
British Columbia.....	7	7	2	3	19
United States	2	3		4	9
Elsewhere	5	3	3	4	15

(This list does not include the occasional students 52.)

FACULTY OF APPLIED SCIENCE.

	First Year.	Second Year.	Third Year.	Fourth Year.	Total.
Ontario :					
(I) Province.....	165	128	84	40	417
(II) Toronto.....	117	60	46	17	240
Nova Scotia.....	3				3
New Brunswick.....	1				1
Quebec.....	2		1		3
Manitoba.....	6	2	3	1	12
Saskatchewan.....	1				1
Alberta.....	3	3	3		9
British Columbia.....	1	4	3		8
Yukon.....	2				2
Newfoundland.....	1	1			2
Elsewhere.....	11	7	3	1	22

FACULTY OF EDUCATION.

Ontario :	
(I) Province	162
(II) Toronto	40
New Brunswick	1
Prince Edward Island	1
Alberta	1
England	1

(This does not include five students who were admitted to the faculty but were exempt from attendance in the autumn term.)

FACULTY OF FORESTRY.

Ontario :	
(I) Province	5
(II) Toronto	2
United States	1

A glance at the increase of students within recent years affords interesting facts :

	1897-8	1905-06	1906-07	1907-08
<i>Faculty of Arts :</i>				
University.....		191	265	244
University College.....		712	826	942
Victoria College.....		349	380	446
Trinity College.....		114	113	142
	923	1,366	1,584	1,774
Faculty of Medicine.....	295	648	723	755
Faculty of Applied Science.....	135	533	627	724
Faculty of Household Science.....			104	73
Faculty of Education.....				211
Faculty of Forestry.....				8
	1,353	2,547	3,038	3,545

In two years there has been an increase of 1,000 students. Three new faculties have been added,—Household Science, Education, and Forestry,—but in the above list the numbers of the School of Practical Science for 1905-06 are included. There has been growth in every faculty, the seeming decrease in Household Science being due to the fact that in 1907-08 some were enrolled in Arts, who in the previous year were counted in the Faculty of Household Science. In the last two years there has been an increase in the University of 28 per cent.; in University College of 32 per cent.; in Victoria College of 28 per cent.; in Trinity College of 24 per cent.; in Medicine of 15 per cent.; and in Applied Science of 36 per cent.

The following table affords a comparison of the growth of students and staffs in the University and University College from the year 1897-1898 to 1907-1908.

		Students.	
		1897-1898	1907-1908
Arts.....		923	1,774
Medicine.....		295	755
Applied Science.....		135	724
Household Science.....			73
Education.....			211
Forestry.....			8
		1,353	3,545

		Staff.	
		1897-1898	1907-1908
Arts :			
(a) University Professors.....	11	16	
Associate Professors.....	2	16	
Lecturers.....	6	9	
Demonstrators and Fellows.....	12	60	
(b) University College Professors.....	5 (2 in University)	8 (1 in University)	
Associate Professors.....	2	6	
Lecturers.....	7	5	
Instructors.....	2	5 (1 in University)	
Medicine :			
Professors.....	16 (4 in Arts)	24 (5 in other faculties)	
Associate Professors.....	7	22 (3 in other faculties)	
Lecturers.....	5 (4 in Arts)	19 (4 in other faculties)	
Demonstrators and Fellows.....	12 (2 in Arts)	75 (35 in Arts)	
Applied Science :			
Professors.....	3 (1 in Arts)	11 (4 in Arts)	
Associate Professors.....		8 (6 in Arts)	
Lecturers.....	5	10 (2 in Arts)	
Demonstrators and Fellows.....	6	40 (6 in Arts)	

It is thus obvious that in the Faculty of Arts the increase in the teaching staff has been chiefly in the ranks of associate-professors and of sessional demonstrators and fellows. But in most of the departments the staff is too small. During the past session in Mathematics 409 pass and 178 honour Arts students, and 511 students of the first and second years in Applied Science, were taught by a staff of four professors and associate-professors with three sessional fellows. In Political Science 88 pass and 174 honour students were

taught by a staff of one professor and one associate-professor with two fellows. In History there were 196 pass and 188 honour students taught by one professor, one lecturer and two instructors. Similar conditions prevail in University College. In English there were 793 pass and 305 honour students in charge of one professor, one associate-professor and two lecturers; in Latin 446 pass and 55 honour students under one professor, one associate-professor and one lecturer; in French 269 pass and 249 honour students under one professor, one associate-professor, a lecturer and an instructor; and in German a staff of the same size was responsible for 277 pass (80 of these beginners) and 166 honour students. Such large numbers must be taught in sections.

Two factors besides the quality of the teachers are to be taken into account in estimating the efficiency of an institution, the number of students at any one period under instruction by one teacher, and the amount of teaching demanded of a professor.

In the Blake report of 1891 it is stated that the aim of the University had been to have no honour course in Arts exceed twelve and no pass class thirty. This may be taken as a fair standard, especially in languages. In the Bulletin issued in May, 1908, by the Carnegie Foundation for the Advancement of Teaching the minimum size of classes in undergraduate or professional subjects is placed at fifteen students, and a seminar or pro-seminar or other specialized course at eight students. But in the case of the University of Toronto this minimum need not at present be considered, since any approach even to the standard of the 1891 report has been less and less possible, and the increasing size of the classes is causing serious misgivings to those who have the welfare of the University at heart.

There are only two ways of meeting this educational requirement as to the size of classes in a growing university, either to raise the standard of entrance or to increase the staff. But the former of these methods must be applied in the Arts course with some hesitation, inasmuch as it is not professional, and the university should endeavour to induce those entering upon the professional faculties to take the Arts course in whole or in part as a preparation for their special life's work. But, indeed, as will be mentioned later in this report, the standard of matriculation has been raised, so that hereafter 40 per cent. will be required in each paper.

On the other hand if the University expects productive work from its staff, and the effective teaching which depends upon independent study and investigation, it must endeavour to prevent the professors from being overburdened with instruction. It should also be borne in mind that members of our comparatively small staff in Arts are responsible for duplicate lectures at Trinity, for the lectures to teachers in the city during the winter, and for the Summer Session.

The temptation is natural to solve these difficulties in the easiest way by adding junior members to the staff. Undoubtedly this may be up to a certain proportion quite wise, but the efficiency of a university will be measured in part by the opportunity afforded to the average student of coming under the influence of experienced teachers. Our aim therefore must be to strengthen the departments, up to the limit of our ability, with men of professorial rank or of mature experience.

In the Faculty of Medicine we also find that the increase of the staff has not kept pace with the increase in the attendance of students, but the disproportion is especially marked in the Faculty of Applied Science, in which the additions to the staff have been mainly sessional appointments.

The number examined in the different departments of the University was as follows :

Ph.D.	1
M.A.	55

Arts :

Fourth Year	246
Third Year	242
Second Year	323
First Year	301
Senior Matriculation	153
	----- 1,265

Medicine :

Fourth Year	156
Third Year	135
Second Year	133
First Year	182
	----- 606

Applied Science :

Professional degrees	2
Fourth Year	56
Third Year	139
Second Year	196
First Year	290
	----- 683

Education	217
Forestry	8
Household Science	15
Law	31
Pedagogy	1
Pharmacy	37
Music	18
Dentistry	143
Agriculture	33
Local Examinations in Music	728
	----- 3,841

Further details as to the examinations and their results are to be found in Appendix B.

The degrees conferred were :—

Honorary LL.D.	*19
Honorary Mus. Doc.	1
M.D.	1
M.D., C.M.	3
Ph.D.	1
M.A.	63
C.E.	1
M.E.	1
D.D.S.	41
LL.M.	1
LL.B.	9
B.A.	193

*16 conferred on the occasion of the Inauguration of the President.

M.B.	134
B.A.Sc.	52
B.S.A.	33
Phm.B.	36
B. Paed.	1
B. H. Sc.	2
Mus. Bac.	5

597

The diplomas and certificates granted were:

Engineering	76
Local Examinations in Music	601

677

As in the past some of the work in Arts has been carried on conjointly by the colleges, especially in Latin; and owing to the illness of Professor Blewett, of Victoria, in the first part of the session, and of Professor Tracy of the University during the last term, reciprocal arrangements were made for the conduct of classes in the department of philosophy.

The reports from members of the staff indicate that the University is in a healthy condition, though the rapidly increasing numbers make serious demands upon the present teaching force. For example the Professor of Latin states that the character of the Latin in the General Course is steadily improving, but that if it is to be maintained more tutors are necessary. The Professors of History and Ancient History also find the tutorial system extremely valuable in the first year. The Professor of English reports that his students, coming as they do direct from school, need personal discussion to make written criticism effective, and that this can be given only in small groups. In French and German the necessity of small groups is especially manifest.

Unquestionably the B.A. degree of the University of Toronto has a high standing. some of the work which is done in other Universities in post-graduate courses being performed here in the undergraduate honour courses. This honourable position must be maintained. But if the number of students continues to increase this will involve an enlargement of the staff. Heavy demands are being made, and rightly and necessarily so, by the professional departments of the University, but even they would eventually suffer were the Arts faculty to be impaired. Not only is the standard of the University as a whole sustained by a strong faculty of Arts, but in this faculty there are many who afterwards will enter the professional schools or some of the affiliated colleges of the University. These students by studying languages and literature, the processes of pure thought, and the methods of the historical, political and natural sciences, are in a disinterested manner introduced to fundamental principles which afterwards will receive more concrete expression in the professional schools, and are equipped with a degree of culture which should widen the range, power and interest of professional life.

In some instances the Arts course comes very near to a professional preparation. Actuarial Science for example is a scientific treatment of beneficiary and trust funds. It is valuable from a purely educational point of view and is a study of great practical utility. There were in the past session seven applications from life insurance companies and financial corporations for graduates well trained in Mathematics. This course of Actuarial Science

is also given in the Honour Political Science Department, another department which offers a good training for commercial life or journalism. The main function of the Arts course, however, will remain broadly educative, providing discipline in language, the history of human effort, and pure thought, mathematical, philosophic or scientific.

The Arts degree must be safeguarded by matriculation. It should be borne in mind that a University is not a school, and that under good teachers a boy or girl will, until a certain age, get greater advantage from the school than from the University. Moreover, students entering the University unprepared in the languages (there were eighty beginners in German in the first year) find it extremely difficult to overtake and keep pace with those who have come from good schools; they interfere with the progress of the more advanced students and impose a serious burden upon the university teacher. The more the University can be relieved of elementary work in the languages by having it confined to the collegiate institutes or other schools, the better will it be for all concerned.

Two conferences were held in the University during the past session at which representatives of the other Universities, the Superintendent of Education, and representatives of the Collegiate Institutes were present to consider modifications in the Junior Matriculation. The pass standard was raised to 40 per cent. in each paper, and in accordance with the "Approved School" plan it was decided for the year 1908-09 not to exact Arithmetic and Grammar from those who came from "Approved Schools," and to estimate the qualifications of others in these subjects by their standing in Mathematics and English Composition. A decision as to the subjects to be required in Junior Matriculation will probably be arrived at before the close of next session.

During the year a committee of the Council of the Faculty of Arts has been at work revising the courses for the B.A. degree. Only the General Course came under consideration. Though the committee has not yet reported to the Senate the general lines of agreement are fairly clear. Most of the subjects of the first two years will be prescribed, and the course will differ from that at present in use chiefly by the addition with laboratory work of some natural science subjects. The third and fourth years will be so arranged that the student will be allowed to follow his aptitudes by devoting special attention to a group or groups of allied subjects, in which, however, the same standard will not be exacted as in what have been known as the honour courses. It is hoped that next session this work will be completed and that the "honour" or special courses will be revised.

While it is imperative to maintain the standard of the B.A. degree and of the undergraduate honour courses, the policy of developing the postgraduate work of the University must be continued. I fully recognize that where it is possible the student who can pursue his postgraduate studies at some other University ordinarily has great advantages. He is surrounded by a new atmosphere and comes in contact with different men who treat their subjects with methods new to him. But many graduates find it impossible to study abroad, and opportunity should be afforded them at home; it should also be the aim of the University of Toronto to attract students from other Universities of the Dominion. The University of Toronto as the chief educational institution of the Province of Ontario cannot be content unless it fulfils one of the functions of a University by making contributions to knowledge and by educating men to perform this work. Canada must do

her share of the world's work in furthering the boundaries of learning and science, and on no University in the Dominion does this obligation rest more heavily than on Toronto.

In Toronto there are the College and the University, in the former the teaching being given by men whose object is to develop the powers of mind and character apart from the definite requirements of any one profession. Our University is fundamentally connected with the College but contains besides the great professional schools, which, however, do not demand the Arts degree as a condition of entrance, though they maintain a high standard of professional training. But in a great modern University there is in addition to the professional schools a postgraduate faculty. In this postgraduate faculty, as also in the professional faculties, there is a different atmosphere from that which surrounds the collegiate undergraduate work. In the postgraduate faculty a wider range of knowledge is required on the part of the student, so that by the use of the comparative method he may acquire some literary acumen; definite problems are set before him that he may learn to be an independent investigator, and in time become able to advance science or the application of science to industry and the arts.

To secure these ends the directing influence of highly trained teachers is essential, for the average postgraduate student cannot be left to his own resources. He has to acquire sufficient knowledge of his subject properly selected and related to enable him to make intelligent research. Otherwise there would be danger of the student being narrowed by choosing some small portion of a subject and being abandoned to himself. The postgraduate teacher must understand the character and training of his students and adapt his problems and his oversight to the requirements of the individual.

Success in postgraduate work depends therefore upon the staff, for men of high quality are essential to give worth to the degree and to keep or attract students. It would be unwise to launch at once an elaborate scheme of postgraduate work, but we should aim at adding, as quickly as our funds will permit, men of distinction in different departments, who will enable some of those now on the staff to engage with them in carrying out more fully the plans which have already been inaugurated. To lay postgraduate work as an additional burden on the present staff of some departments would be to endanger the undergraduate courses. It would be unwise indeed to have a staff with duties limited wholly to postgraduate work. The postgraduate staff should do undergraduate work also both for the sake of the undergraduate, and in order to prevent the passage from the one kind of work to the other being too abrupt. But if the University is to have success in the postgraduate department the staff cannot be burdened with many of the details of ordinary undergraduate work. Postgraduate development will react most favourably on the undergraduate work of the University, directly in bringing graduate students of high quality and thus maintaining a high standard of study, and indirectly by the distinction thus conferred. It will also be of advantage to the country by raising the quality of teaching in the schools and smaller colleges, and by stimulating research which is itself a condition of real educational progress. The University must therefore in justice to itself and to the country face the necessity of additional expense for the development of this policy.

In the Medical faculty there was a large attendance in the first year, which may be partially explained by the fact that in 1908-09 the five years' course commences; possibly another slight contributory cause was the beginning of a five years' course at McGill University last autumn. This large incoming year crowded the accommodation in the departments of Anatomy

and Chemistry. During the past session for the first time in this University Anatomy received the full attention of a professor, and Dr. J. P. McMurrich has brought to this department the experience of many years of teaching in leading American Universities. Anatomy like most of the Sciences has developed so rapidly in recent years, that the changed methods of instruction require special laboratories for different departments, such as the nervous system, surgical anatomy, etc. This as well as the congested condition of the present quarters makes it desirable that before long more accommodation should be provided for this department.

Steps were taken during the session to provide for a new chair of Chemical Pathology, most of the work of which will be conducted in temporary quarters provided by the University at the General Hospital. The department of Physiology also is to be enlarged by the addition of a chair. These changes will greatly strengthen the scientific side of the medical course and will provide solid foundations for the more practical courses. There is need of a larger number of trained permanent assistants such as are found in the laboratories of Britain and the Continent, who, while not scientifically educated have a degree of expert knowledge which enables them to do a great deal of work which now is done in this University by professors or lecturers. Such men do not require a high rate of salary, and they set free the teacher for much more valuable expenditure of time and labour.

During many weeks of the past winter a committee of the Trustees of the Toronto General Hospital met for the reorganization of the staff of the Toronto General Hospital, a matter which had engaged their attention for a long time. In this the University is vitally interested because it requires command of all the clinical material of this hospital for teaching purposes. The ideal situation for the University would be to have a University Hospital under full control of the University, but this seems to have been impossible unless the University or the Government on its behalf had been willing to assume the total expense of the hospital. In return for the \$300,000 paid by the Government in 1906-07 the University possesses by statute the right to have its students instructed clinically by its professors in the hospital, and the University is represented on the Board of Trustees by four members, but the Trustees as a whole reserve for themselves the right, as they have the responsibility, to appoint the staff. To satisfy the real needs of the University it would seem that there should be one main service under a university professor in Medicine, and one in Surgery under the same conditions, but the Trustees of the Hospital decided that three services in Medicine and three in Surgery were best for their purposes. There are two necessities as far as the University is concerned: first, the professors of Medicine and of Surgery should have a permanent connection with the hospital such as is not given to the ordinary heads of the services in the hospital, in order that they may always be in command of material for clinical instruction and be associated with the hospital for the direction of clinical teaching; second, it requires all the clinical material in the hospital and cannot be satisfied with one of the three services in Medicine and Surgery. To meet the first difficulty it has been suggested that the professor of Surgery should, during the session 1908-09, have in rotation one case in five together with an assistant surgeon and a house-surgeon. If this works it may solve one part of the difficulty as it will recur from time to time both in Surgery and in Medicine. In the suggested reorganization fortunately the three heads of services both in Surgery and in Medicine as well as those in other departments, happened to be either associate-professors or such as might be recommended to become such in the University; but several of the senior professors are without ser-

vices and a number of the junior members of the university staff have not received appointments. That the University may be secure in its rights to provide what it regards as satisfactory clinical instruction to its students in the hospital it seems necessary that before the Hospital Trustees fill any of the positions on their staff they should confer with the Governors of the University in order that by mutual agreement the University may get what it deems essential for its purpose under the Act, and the Trustees of the Hospital be satisfied that they are fulfilling their trust.

Fortunately the authorities of St. Michael's Hospital are willing that the University should use its very valuable clinical material for instruction. There will be two services in Medicine and two in Surgery under the direction of University professors or associate-professors with other members of the faculty on these staffs and in charge of other services. The University appreciates highly the privileges accorded to it by this hospital.

The University is under deep obligation to the Sick Children's Hospital for the generous facilities offered for the study of the diseases of children who are for the most part treated by members of the university staff. Other hospitals also, especially the Western, possess material which in the future the University may need to endeavour to secure.

A particularly promising development is to be found in the department of Psychiatry of which Dr. C. K. Clarke was made professor last session. The Government of the Province intends to erect a psychiatric hospital thoroughly equipped with what the most modern methods can suggest and to place it in charge of Dr. Clarke. The relations between the hospital and the University will be intimate, and our students will be given an exceptionally favourable opportunity of studying mental and nervous diseases. For both medical and psychological research in this department the facilities should be among the best on this continent.

Arrangements are nearly completed for extending the privileges of university instruction to the College of Veterinary Science, which has recently been taken over by the Government. If the students of the Veterinary College take their lectures and laboratory work in Chemistry, Botany, and Physiology in the University, there will be a saving to the Province, the College will be brought into closer touch with the University, and many may be induced to enter upon the course for the Veterinary degree as outlined some time ago by the University. Should it be found practicable to arrange for accommodation for the practical courses of the College in buildings near the University the affiliation will become much closer.

The accommodation of the Faculty of Applied Science has, during the past session, been inadequate. The large incoming year made demands on drafting space, which during the earlier part of the session were temporarily met by the use of a section of the new physics building and a large room in the gymnasium. Fortunately the extension in the rear of the Convocation Hall made it possible after Christmas to place the second year in that very convenient room, which serves admirably both for drafting and for examinations. The outlook for the coming winter, however, presents difficulties. Owing to the state of the north wing of the old engineering building less space than formerly will be available for drafting, and if the incoming year is large it will be accommodated only with great difficulty. The same arrangements as last year will not suffice, and whatever is done can only be temporary. Steps will have to be taken to provide almost immediately in some way for larger quarters.

The other departments in the old building have also been overcrowded, especially Thermodynamics and Hydraulics, but the new laboratory will relieve this pressure, give more room to the Strength of Materials and the Electrical departments, and make a four years' course possible.

There is probably no University of the rank of the University of Toronto in which Applied Science is taught at relatively such small cost and with such a small staff of professors. The Province must face an increasing expenditure in this department on account of the rapidly growing numbers of students and the development and complexity of our industrial occupations and mining interests.

To meet the industrial demands of the Province other departments must be added to this Faculty. There has been a request for instruction in Ceramics; Metallurgy should have more recognition; and in Applied Chemistry there is urgent need for work on an industrial scale for ordinary operations of technical Chemistry.

In Architecture also there has been a demand on the part of the Architects of the City for more practical instruction in design, to make it possible for students, otherwise well trained in the science and theory of their profession, to enter upon its practice with the prospect of more immediate usefulness.

The question arises whether the time has not come to exact a higher standard of entrance into this faculty, as for example, another year in a collegiate institute with honour Mathematics at matriculation. This would make possible a more uniform grade of instruction by eliminating many who fail in the examinations of the earlier years. I believe that this is the view of the staff, who also are desirous that the regular course should be extended to four years.

The Dean of the Faculty was absent during most of the Session serving as a member of the Dominion Commission on the Quebec Bridge Disaster. It was a compliment to the University that the Dean should have been appointed to such a duty. The work was exacting and responsible involving many delicate questions, but the favourable reception given to the report of the committee is gratifying to the Dean's colleagues, and his experience will doubtless be of great advantage to his work in the University.

In the Faculty of Education the attendance was much larger than was anticipated, and the year has been a difficult one for Dean Pakenham, who had to effect as satisfactory arrangements as possible for classes in the practice and observation of teaching. These have been conducted through the courtesy of the authorities in the City of Toronto Schools, a number of their teachers having also served on the University staff during the winter. Notwithstanding the arrangements made for the past and the coming year it is very evident that thoroughly satisfactory work cannot be accomplished until the University has its own schools.

With the first year of the Faculty of Forestry an interesting department issues on its career, the growth of which should result in conserving the forest wealth and other natural resources of the Province. The Dean has, during the year, done much to explain to the public the character of the work which must be undertaken by expert foresters and scientifically trained lumbermen in order to preserve our forest wealth and to increase the value of our farm lands.

The future of Household Science in the University has been assured through the munificence of Mrs. Massey Treble, who has given the greatest care to the perfecting of the plans of a new building to be erected on the corner of Bloor Street and Queen's Park Drive. The building will be thoroughly adequate for scientific training in a department to which it is confidently expected that women students in the University will turn in increasing numbers. Though there were two this year who received the degree of Bachelor of Household Science, in the future students of this department will take the B.A. in the Department of Household Science.

The Summer Session was held from July 2nd to August 8th, 1907, and was attended by 65 students. Several causes were at work to prevent the accomplishment of all that had been hoped for. It had not been widely enough advertised early in the year, so that teachers and others could make convenient arrangements for attending. Time is also required to impress the purpose and value of such a school upon those for whom it is chiefly meant. The large expense of the school was due to the fact that, owing to the absence of any limitation as to attendance, a great many courses were given with very few students, and also to the payment of the members of the teaching staff who belonged to the University. During the session which has just closed the expense of the session has been very small indeed, partly because fewer classes were given, and partly because members of the University staff were not paid.

Small though the numbers were those in attendance were enthusiastic as to the value of the work. Mature and earnest students responding to an interested instructor can accomplish as much in some subjects in six weeks as younger students can in a much longer period. It can hardly be doubted that the value of the work as counting for a degree is an additional incentive for those who attend the summer session.

This department is designed to bring the University into touch with the Schools, and the success of the session which has just closed as well as the experience of other Universities, leads us to hope that it will continue to supply a real need of the teachers of the Province by giving them opportunity to pursue their studies during their vacation.

The work done by the professors should be recognized by the University, for it is a severe strain continued during six of the hottest weeks of the summer, and is likely to diminish their vigor for the coming winter as well as their time for private study or investigation. Moreover, the burden is likely to fall from year to year upon the same departments. They will earn well the addition of the time they have spent in Summer Sessions to their longer periodic vacation.

The services of Dr. Abbott, the Secretary of the Summer Session, are worthy of special mention. By his patient and enthusiastic work given without stint or question he has contributed more than any one to the success of the school.

During the Winter Session lectures were also given by the staff to teachers from the City of Toronto at hours suitable for them. The subjects taught were English, French, German, History and Latin of the second year.

Also, as in former years on Saturday afternoons during January and February a successful course of lectures, arranged chiefly by Professor Mavor, was delivered in the Chemistry class-room before good audiences. The lecturers were Professor McNaughton, Dean Fernow, Mr. Stefansson, Mr. Kylie and Dr. Anger.

The Rhodes Scholarship for 1908 was awarded to Mr. W. Kasper Fraser, B.A., of the Departments of Classics and Moderns, and the Exhibition of 1851 Scholarship to Mr. C. S. Wright, B.A., of the Department of Physics. The gratifying news has also been received that the Exhibition Scholarship awarded in 1906 to Mr. R. H. Clark has been renewed for a third year. This makes the third time that this honour has been done to a graduate of Toronto.

The unsatisfactory condition of the Library, which may be called the heart of the intellectual life of the University, has, during the past year, been more than ever apparent. Many of the books have owing to want of space not been unpacked; partly for the same reason a large portion of the Library has not been catalogued under subjects; and the reading-room has been excessively crowded. Statistics show that the increase of readers this year over last year varied from 11 to 13 per cent. per month. This does not, however, tell the whole story. There is a supposed maximum seating capacity of about 150. Whenever there are more than 100 in the reading-room it looks crowded. The number of readers is counted at the same hours twice a day for statistical purposes. That is, there are about 350 counts taken during the year. Last year the number of readers over 100 was counted 42 times. This year this number has been counted 95 times out of a possible 375. On several occasions during the last few months of the session readers came in and obtained books at the desk and returned them in a few minutes, saying that there was no seat. In two years all the available space upon the stack-room shelves will be exhausted. Immediate expansion is therefore necessary unless the work of the University as a whole is to be seriously crippled. Every faculty suffers if the Library is ill equipped. It will be impossible to promote post-graduate work without adequate accommodation, and the staff will find themselves handicapped in their efforts to keep abreast of their subjects and in making original investigation.

The Librarian's Report is appended.

The generosity of E. C. Whitney, Esq., in presenting to the Library the following valuable series of publications, some of them now almost impossible to obtain, may be mentioned here:

Description de l'Égypte, pub. sous la direction de M. Jouard par les ordres de l'Empereur Napoleon, 9 vols., de texte in-fol. et 14 vols. de planches, dont 11 gr. in-fol. et 3 formats grandaigle. (Original edition, Paris: Impr. imper. et Impr. roy., 1809-1828.)

Catalogue général des antiquités égyptiennes du Musée du Caire, pub. sous les auspices de la Direction du Service des Antiquités.. Vols. 1-32. Gr. 5 (Cairo, 1901-1906).

Prisse D'Avennes. Histoire de l'Art égyptien d'après les monuments. 1 vol. de texte in-4. 2 vols. d'atlas gr. in-fol. (Paris, A. Bertrand, 1878-1879).

The University has received much valuable archaeological material during the past year. Dr. Montgomery has been at work in Manitoba securing early ethnological remains, and Mr. Currelly has purchased large quantities of specimens illustrative of early European civilization and of that of the Middle Ages. The exhibition held through the kindness of the authorities in Wycliffe Hall attracted much attention, and was further proof of the need of the erection of a portion of the Museum if the students of the University are to get the advantage of these collections. The Order of Foresters has also entrusted the collection gathered by the late Dr. Oronhyatekha to the keeping of the University, but there is no room at present in which to display it.

Athletics has been more satisfactory in the past year than ever before because of the work of Dr. J. W. Barton, who was appointed Physical Director. The gymnasium was in constant use until the middle of April with as good an attendance as at any time during the session, while in former years it fell off by March 1st, though physical exercise is needed especially towards the end of the session by those who from this time on are beginning to feel the increased pressure of study. The Physical Director gave a medical examination to all who were about to engage in athletics and prescribed corrective work. He believes in inducing as many men as possible to take part in outdoor sport, but the serious fact is that too many of these who need the exercise most do not take it. If it were practicable to give every matriculant a physical examination and definite advice as to suitable bodily exercise, a great step towards the physical well-being of the students would result; and the task is not so formidable but that it may become feasible before long.

Instruction was given for sixteen weeks in swimming. Seventy-nine from all faculties and colleges learned to swim; ninety inferior swimmers improved their practice; eighty-two were in a life-saving class, and fourteen won the Royal Society's medal and diploma for their skill in methods of rescue and resuscitation. The accommodation in the gymnasium for swimming is not what it should be, and better quarters for the student activities as a whole are urgently needed.

During the past session the Undergraduates' Parliament has increased its hold upon the student body and has given much promise of greater usefulness in the life of the University. More and more it may become an organ of self-government for the students, a means of unifying the different faculties and of giving effect to common interests in the student life. It was mainly owing to the energy of the Executive of the Parliament that after the visit of His Excellency the Governor-General the sum of \$572.00 was subscribed by the University to the Quebec Battlefields Fund.

All of which is respectfully submitted.

(Sgd.) R. A. FALCONER.

November 26th, 1908.

APPENDIX A.

The following tables exhibit the numbers attending lectures in University subjects, together with the numbers of those taking the practical work in the laboratories:

DEPARTMENT OF MATHEMATICS.

	Pass.	Pass and Honours.	Honours.
<i>Faculty of Arts:</i>			
First Year.....	372		33
Second Year.....			110
Third Year.....			23
Fourth Year.....	37		8
Postgraduate.....			4
<i>Faculty of Applied Science:</i>			
First Year.....		314	
Second Year.....			197
	409	314	375

DEPARTMENT OF PHYSICS.

	Pass.	Pass and Honours.	Honours.	Laboratory.
<i>Faculty of Arts:</i>				
First Year.....	67	.....	120	121
Second Year.....	.....	.....	64	43
Third Year.....	39	.....	26	26
Fourth Year.....	.....	.....	2	2
M. A. ....	.....	4	.....	3
<i>Faculty of Medicine:</i>				
First Year.....	.....	194	.....	.....
Dentistry	54	.....	.....	.....
<i>Faculty of Household Science.....</i>				
	.....	9	.....	9
	160	207	212	398

DEPARTMENT OF BIOLOGY.

	Pass.	Pass and Honours.	Honours.	Laboratory.
<i>Faculty of Arts:</i>				
First Year.....	234	63	.....	63
Second Year.....			27	27
Third Year.....			33	33
Fourth Year.....			20	20
Graduate Students.....				3
<i>Faculty of Medicine:</i>				
First Year.....		200	.....	200
Second Year.....		147	.....	147
<i>Household Science:</i>				
First Year.....		8	.....	8
Second Year.....			3	3
Third Year.....			4	4
<i>Faculty of Applied Science.....</i>				
			9	9
<i>Faculty of Forestry:</i>				
First Year.....		3	.....	.....
Third Year.....			1	1
	234	421	97	511

DEPARTMENT OF PHYSIOLOGY.

	Pass and Honours.	Honours.	Laboratory.
<i>Faculty of Arts :</i>			
Third Year.....		29	29
Fourth Year.....		20	20
<i>Faculty of Medicine :</i>			
First Year.....	186		186
Second Year.....	147		147
<i>Household Science :</i>			
Arts students.....		8	5
B. II. Sc. students		2	2
Normal Course.....		13	5
			394

DEPARTMENT OF CHEMISTRY.

	Pass.	Pass and Honours.	Honours.	Laboratory.
<i>Faculty of Arts :</i>				
First Year.....	6		127	127
Second Year.....	8		40	40
Third Year.....			52	52
Fourth Year.....			7	7
Graduate Students*				
<i>Faculty of Medicine :</i>				
First Year.....		193		193
Second Year.....		148		148
	14	341	226	567

* Five Junior Assistants registered as M.A. or Ph.D. students.

DEPARTMENT OF GEOLOGY.

	Pass.	Pass and Honours.	Honours.	Laboratory
<i>Faculty of Arts :</i>				
First Year.....			69	
Second Year.....	82		16	16
Third Year.....			5	3
Fourth Year.....			1	1
<i>Faculty of Applied Science :</i>				
Second Year.....		116		
Third Year.....		77		
Fourth Year.....			2	2
	82	193	93	22

DEPARTMENT OF MINERALOGY AND PETROGRAPHY.

	Pass.	Pass and Honours.	Honours.	Laboratory.
<i>Faculty of Arts :</i>				
Second Year.....			12	12
Third Year.....			12	12
Fourth Year.....			3	3
Occasional.....			4	4
Graduate.....				3
Faculty of Education.....			1	1
Faculty of Forestry.....		1		1
<i>Faculty of Applied Science :</i>				
First Year.....		194		188
Second Year.....		130		130
Third Year.....		20		20
Fourth Year.....		2		2
		347	32	376

DEPARTMENT OF PHILOSOPHY.

	History of Philosophy.		Psychology.		Logic.		Metaphysics.		Ethics.	
	Pass.	Hon- ours.	Pass.	Hon- ours.	Pass.	Hon- ours.	Pass.	Hon- ours.	Pass.	Hon- ours.
Second Year.....	112	38	257	38	152	38		38		
Third Year.....		25		25		25		25	64	12
Fourth Year.....		31		31		31		31	35	20
Graduates.....		10		15		10		14		7
	112	104	257	109	152	104		108	99	39

DEPARTMENT OF POLITICAL SCIENCE.

	Pass.	Honours.
Second Year.....		82
Third Year.....	34	28
Fourth Year.....	51	29
Fourth Year Department of History.....		4
Third Year Department of Philosophy.....		24
Commercial Course.....	3	
Postgraduate.....		7
	88	174

DEPARTMENT OF HISTORY.

	Pass.	Honours.
Second Year.....	40	95
Third Year.....	89	45
Fourth Year.....	67	48
	196	186

DEPARTMENT OF ROMAN LAW, ENGLISH LAW AND JURISPRUDENCE.

	Honours.
Third Year.....	27
Fourth Year.....	35
	62

DEPARTMENT OF ITALIAN, SPANISH AND PHONETICS.

	Italian Honours.	Spanish. Pass.	Hon- ours.	Phonetics.
First Year.....	64	29	18	69
Second Year.....	34	8	8	
Third Year.....	26	2	5	
Fourth Year.....	19		7	
Occasionals.....	4			
Graduate Students.....	2		1	
	149	39	39	69

DEPARTMENT OF HOUSEHOLD SCIENCE.

	Honours.
Faculty of Arts.....	16
Faculty of Household Science.....	15
Occasional students.....	62
	93

APPENDIX B. REGISTRATION.

	1st year.			2nd year.			3rd year.			4th year.			M. A.	Ph.D.
	U. C.	V. C.	T. C.	U. C.	V. C.	T. C.	U. C.	V. C.	T. C.	U. C.	V. C.	T. C.		
General.....	149	53	24	31	18	19	31	19	8	29	16	8	405	.....
Classics.....	14	6	2	8	1	6	4	3	.....	5	1	2	52	4
Eng. and Hist. (Class.)...	14	2	1	3	1	1	2	1	.....	2	.....	.....	27	.....
Eng. and Hist. (Mod.)...	26	9	4	12	.....	1	8	5	1	6	1	.....	73	.....
Modern Languages.....	31	20	5	28	7	.....	23	10	6	23	8	3	164	21
Oriental Languages.....	.....	.....	.....	3	1	.....	2	3	.....	2	.....	.....	11	1 1
Greek and Hebrew.....	.....	.....	1	1	2	.....	.....	.....	.....	1	1	.....	6	.....
Philosophy.....	.....	.....	.....	32	11	1	8	14	2	13	12	3	96	30 5
Modern History.....	.....	.....	.....	3	1	.....	3	.....	1	5	.....	.....	13	3
Political Science.....	.....	.....	.....	51	11	5	20	6	.....	23	9	1	126	4 1
Mathematics.....	20	7	2	13	2	.....	12	3	.....	7	1	.....	67	5 1
Physics.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2	4
Natural Science.....	50	11	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	63	.....
Biological and Phy. Sc.....	.....	.....	.....	16	3	1	21	8	.....	14	3	.....	66	.....
Biology.....	.....	.....	.....	2	2	.....	4	.....	.....	2	1	.....	11	3
Chemistry and Mineral'y.....	.....	.....	.....	5	1	.....	11	2	.....	5	1	1	26	2 3
Geology and Mineralogy.....	.....	.....	.....	1	2	.....	1	.....	.....	1	.....	.....	5	2 2
Household Science.....	2	6	.....	1	2	.....	1	3	.....	.....	2	.....	17	.....
Commercial Course.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	3	.....
	308	114	41	211	65	34	151	77	18	140	56	18	1,233	79 13

CANDIDATES AT EXAMINATIONS IN MAY 1908.

FIRST YEAR.

	Unv. Coll.	Univ. Coll.	Trin. Coll.	Totals.	Passed.	Starred.	Failed.	Avg.	Trans.	B. L.	Def.	Def. B. L.
General Course.....	84	28	13	125	40	70	15	.....	.....	.....	.....	.....
Classics.....	14	6	2	22	21	1	.....	1	.....	.....	.....	.....
English and History (Class.).....	4	.....	1	5	4	1	.....	.....	1	.....	.....	.....
Greek and Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Modern Languages.....	26	17	5	48	35	12	1	1	8	9	.....	.....
English and History (Mod.).....	20	1	2	23	14	6	3	.....	11	3	.....	.....
Mathematics and Physics.....	17	4	1	22	18	4	.....	.....	3	.....	.....	.....
Natural and Physical Science.....	34	8	1	43	19	23	1	.....	2	1	9	2
Household Science.....	2	4	.....	6	4	2	.....	.....	.....	3	.....	1
Occasionals.....	.....	5	2	7	7	.....	.....	.....	.....	.....	.....	.....
	206	70	25	301	162	119	20	2	25	16	9	3

Senior Matriculation.

	59	23	10	92	23	40	29	.....	.....	.....	.....	.....
General Course.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....
Classics.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
English and History (Class.).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Greek and Hebrew.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Modern Languages.....	4	3	.....	7	3	3	1	.....	.....	.....	.....	.....
English and History (Mod.).....	5	.....	.....	5	3	2	.....	.....	.....	.....	.....	.....
Mathematics and Physics.....	3	2	1	6	3	3	.....	1	.....	.....	1	.....
Natural and Physical Science.....	16	4	1	21	6	9	6	.....	1	2	6	1
Household Science.....	.....	2	.....	2	.....	2	.....	.....	1	.....	.....	1
Occasionals.....	16	3	.....	19	11	4	4	.....	.....	.....	.....	.....
	104	37	12	153	49	64	40	1	2	2	7	2
	310	107	37	454	211	183	60	3	27	18	16	5

CANDIDATES AT EXAMINATIONS IN MAY 1908.—*Continued.*

SECOND YEAR.

	Unv. Coll.	Vict. Coll.	Trin. Coll.	Totals.	Passed.	Starred.	Failed.	Aeg.	Trans.	B. L.	Def.	Def. B. L.
General Course.....	30	23	19	72	15	49	8					
Classics.....	8	1	6	15	11	4		1				1
English and History (Class.).....	1		1	2	2							
Greek and Hebrew.....	1	2		3	3							
Oriental Languages.....	2	1		3	2		1					
Modern Languages.....	28	7		35	24	11		1	4	1		
English and History (Mod.).....	16		1	17	6	11				1		2
Political Science.....	49	11	5	65	14	39	12	1	4	2	17	5
Modern History.....	2	1		3	1	1	1					
Philosophy.....	30	11	2	43	17	22	4		7	2	6	2
Mathematics and Physics.....	13	2		15	13		2					
Biological and Physical Science.....	16	3	1	20	17	3				3	1	
Biology.....	2	2		4	4							
Chemistry and Mineralogy I.....	5	1		6	5	1		1				
Geology and Mineralogy.....		2		2	1	1					1	
Household Science.....	1	2		3	3					1		
Occasionals.....	15			15	15							
	219	69	35	323	153	142	28	4	15	10	25	10

THIRD YEAR.

General Course.....	31	19	8	58	36	22						
Classics.....	4	3		7	7			1				
English and History (Class.).....	1	1		2	1	1			1			
Greek and Hebrew.....	2											
Oriental Languages.....	2	3		5	2	3					2	
Modern Languages.....	22	14	7	43	31	12		1	3	1	2	3
English and History (Mod.).....	8			8	7	1						1
Political Science.....	18	6		24	19	4	1		1	1	2	1
Modern History.....	1		1	2	2							
Philosophy.....	8	14	2	24	15	5	4			1	2	2
Mathematics and Physics.....	12	3		15	14	1						
Biological and Physical Science.....	20	8		28	23	5				2	3	2
Biology.....	4			4	3	1						
Chemistry and Mineralogy I.....	9	2		11	9	1	1					
Chemistry and Mineralogy II.....	1			1	1							
Geology and Mineralogy.....	1			1	1							
Household Science.....	1	3		4	4							
Occasionals.....	4	1		5	5							
	147	77	18	242	180	56	6	2	5	5	11	9

CANDIDATES AT EXAMINATIONS IN MAY 1908.—*Continued.*

FOURTH YEAR.

	Univ. Col.	Vict. Coll.	Trin. Coll.	Totals.	Passed.	Starred.	Failed.	Pass Deg.	Aeg.	B. L.	Def.	Def. B. L.
General Course.....	27	17	8	52	35	15	2					
Classics.....	5	1	2	8	8							
English and History (Class.).....	1			1	1							
Greek and Hebrew.....	1	1		2	2							
Oriental Languages.....	1			1	1							
Modern Languages.....	23	8	3	34	33	1		1	1			
English and History (Mod.).....	6	1		7	7							
Political Science.....	23	9	1	33	30	3			1	2	1	2
Modern History.....	4			4	3	1						
Philosophy.....	13	11	2	26	24	2					1	
Mathematics.....	6	1		7	7			1				
Physics.....	2			2	2							
Biological and Physical Science.....	14	3		17	17							
Biology.....	2	1		3	2	1						
Chemistry and Mineralogy I.....	5	1	1	7	7							
Geology and Mineralogy.....	1			1	1							
Household Science.....		1		1	1							
Occasionals.....	27	11	2	40	39	1						
	161	66	19	246	220	24	2	2	2	2	2	2

FACULTY OF APPLIED SCIENCE.

	Passed with honours.	Passed.	Starred.	Failed.
<i>First Year.</i>				
Civil Engineering.....	26	54	25	36
Mining Engineering.....	5	17	7	13
Mechanical and Electrical Engineering.....	38	59	34	24
Architecture.....	1	3	2	4
Analytical and Applied Chemistry.....	1	6	4	2
Chemical Engineering.....				
<i>Second Year.</i>				
Civil Engineering.....	21	58	36	16
Mining Engineering.....	3	5	3	3
Mechanical and Electrical Engineering.....	24	46	23	10
Architecture.....				
Analytical and Applied Chemistry.....	2	6	5	
Chemical Engineering.....		1	1	
<i>Third Year.</i>				
Civil Engineering.....	13	43	21	5
Mining Engineering.....	3	5	3	
Mechanical and Electrical Engineering.....	11	44	20	4
Architecture.....	2			
Analytical and Applied Chemistry.....	2	6	3	
Chemical Engineering.....		1	1	
<i>Fourth Year.</i>	22	33	4	1

CANDIDATES AT EXAMINATIONS IN MAY 1908.—*Continued.*

FACULTY OF MEDICINE.

	Passed with honours.	Passed.	Starred.	Failed.
First Year.....	17	120	19	27
Second Year.....	15	101	24	5
Third Year.....	.....	90	36	9
Fourth Year.....	30	87	27	3

APPENDIX C.

April 15, 1908.

To the President, University of Toronto:

SIR,—I beg to submit my report on the Library for the past year.

For the twelve months ending March 31st the number of bound volumes entered on the accession list was 3,462, and the number of pamphlets was 2,406, making total contents of the Library at that date 91,031 bound volumes and 23,312 pamphlets. These figures, however, do not represent the entire number of books and pamphlets received during the twelve months and entitled to be entered, because 16 cases that arrived during the summer of 1907 (part purchases, part presentations) have not yet been unpacked, owing to the pressure of more important work upon the Library staff during the whole of this year.

The statistics of the use of books by students are not yet complete for the academic year, but a comparison with the same period of the last academic year shows that the number of day-tickets has increased this year 15 per cent., and the number of tickets for books taken out for evening use has increased 6 per cent.

The average number of readers in the reading-room has increased from 11 per cent. to 13 per cent., the smaller increase being in the earlier months of the year, the larger in the last two months, February and March.

The Library staff has proved insufficient this year to meet the demands upon it. This is due in some measure to the sudden expansion of the University by the creation of two new Faculties, Forestry and Education, and, in the same year, the complete incorporation for Library purposes of the Faculty of Applied Science. These changes have involved a great deal of additional clerical work, in relation chiefly to departmental libraries and to professors' lists. Moreover, partly in consequence of the expansion above referred to, the appropriation for purchase of books and periodicals was increased this year from \$10,000 to \$14,000. It is obvious that the work of ordering, entering, and cataloguing books must have increased in the same proportion. The fact mentioned above that 16 cases of books received have remained unpacked for more than seven months shows the pressure of the ordinary routine work upon the staff. In other and less obvious respects, it has been impossible to meet the requirements of the increasing work. The cataloguer and her assistant, for instance, who for several years past have been engaged on a new subject catalogue of the whole Library, department by department, in addition to cataloguing the new books as they came in, have been unable this year to do anything except catalogue new books, and

are with difficulty even keeping pace with these. At least one additional cataloguer is therefore urgently needed if any progress is to be made with the subject catalogue. The collection of pamphlets, moreover, has never been catalogued at all as a whole. Those relating to certain of the sciences have been transferred to the Departments interested and catalogued by them for their own information, but nothing yet has been able to be done by the Library staff in this direction. At present a large proportion of the pamphlets, those in philology, history, economics, law and some of the sciences (perhaps 15,000 altogether), are practically not available for reference, and it is highly desirable that steps should be taken at once to classify and catalogue them. The present cataloguing staff is quite unable to do so. It would probably occupy the whole of one person's time for about a year.

In the order and accession department the most essential work has been done with the aid of extra clerks engaged for limited periods, but certain branches of work nominally attached to that department which could be postponed without immediate impairment of efficient service have been left undone. It is very desirable that another permanent clerk be appointed for the purpose of relieving the pressure on this department and of preventing further accumulation of arrears.

The small size of the rooms now used for administration purposes makes it difficult to increase the number of those who are expected to do their work in them. It is hoped that in little more than a year the addition to the Library building will be so far finished as to enable a much larger staff to be employed. It would be possible, however, in the present offices to find room for another cataloguer and another ordinary clerk. The cataloguing of the pamphlets might also be proceeded with in one of the less used seminary rooms, and thus a second additional cataloguer be employed on this special task.

The delivery desk work was this year, as it has been for many years, divided between two clerks whose appointment is for eight months of the year only and whose daily duty is for less than the regulation day's work. This arrangement has proved unsatisfactory in some ways, and it would be better to treat them as regular clerks employed at full time the whole year round. There is now no slackening of ordinary work during the summer months, and the delivery-clerks can be kept fully employed at other than desk-work during the time when readers are few in number.

(Signed) H. H. LANGTON,
Librarian.

APPENDIX D.

April 12th, 1908.

Biological Museum.

Since my last report on the condition of the Museum (dated February 21st, 1906) considerable additions have been made to the facilities for displaying specimens both on the zoological and botanical sides.

Two new iron and glass cases on wooden base *e.g.* were added for the exhibition of the smaller birds and mammals, and another is in course of preparation for the display of the fishes. Also a very interesting series of cases has been arranged by Mr. Williams to illustrate Mimicry in Insects, and similar phenomena.

The collections, especially in the direction of Entomology, have been considerably added to by purchase, and valuable donations have been received from the widow of the late Rev. Walter M. Rogers, the Provincial Governor of B. C., through the Hon. Dr. Young, President Burwash, Professor Prince, Rev. Mr. Griffiths, Messrs. E. V. Cowdry, J. J. Copeland and others.

The series of specimens illustrative of Philippine Ethnology, purchased at my suggestion, have been stored here temporarily, awaiting the erection of the Ethnological Museum, and some donations to that Museum, such as those of Mr. B. E. Walker of Chiriqui pottery and Dr. A. A. Panton of Eskimo objects are similarly cared for.

Systematic work has been considerably facilitated by the card catalogue of the Concilium Bibliographicum of Zurich, which was purchased for the Museum, but the Library is still sadly deficient in systematic works.

The number of visitors has been very much on the increase during the last year, which is no doubt partly due to the circumstance that the arrangement, display and labelling of the specimens is being continually improved.

I am,

Yours, etc.,

R. RAMSAY WRIGHT.

APPENDIX E.

Atlantic Marine Station.

During the summer of 1906 the Marine Station was again situated at Gaspe, P.Q., and two graduates, Messrs. Murray and Bell were sent from this department to assist in the work. Both of them produced creditable papers on the tasks allotted to them, which will be published in the official organ of the Station.

In 1907 the Station was moved to Seven Islands, P.Q., but unfortunately met with an accident which hampered the work there. Messrs. Bayne and Scrimgeour, however, in spite of adverse circumstances did good work which in the case of the former constituted his subject for an M.A. thesis.

A permanent Station has now been decided upon and is in course of construction at St. Andrew's, N.B., a Committee of the Board of Directors, Dr. Macallum and myself representing Toronto, having investigated a considerable portion of the coast of Nova Scotia and New Brunswick to determine on a suitable site. The Station will be ready for operations in June, 1908, when Dr. McMurrich and a student to be presently designated will represent the University of Toronto.

Pacific Marine Station.

In 1907 I was sent out to British Columbia by the Board of the Biological Station to co-operate with Professor Prince and Rev. G. W. Taylor to select a site for a Marine Station. Departure Bay, Nanaimo, was decided on. The Station was erected during the winter, and Dr. Huntsman will go to work there this summer assisted by the appropriation for this purpose.

I need hardly point out the means thus afforded of securing valuable additions to the Biological Museum as well as material for laboratory work.

R. RAMSAY WRIGHT.

*Biological Station, Georgian Bay.**To the President, University of Toronto :*

DEAR SIR,—I beg to present the following report on participation of staff and students in the work of the Biological Station, Georgian Bay, during the summer of 1907.

The University was represented by Dr. E. M. Walker, Lecturer in Zoology, Dr. A. G. Huntsman, Instructor in Zoology, Mr. E. V. Cowdry and Mr. W. J. Fraser, students. Dr. Walker, who was in charge in my absence, reports that the work of the laboratory was chiefly concerned with problems bearing on the natural history of fishes, especially measurements of fishes taken in nets of graded mesh; studies of fish parasites and of life histories of aquatic insects. As in former seasons general collections of aquatic were made in connection with a faunistic survey and card catalogue and class material provided for the winter work in the university laboratories.

The expenses of the above gentlemen were partially defrayed through the fund provided by the University for that purpose.

Yours respectfully,

B. A. BENSLEY.

APPENDIX F.

*Vertebrate Palaeontology.**The President, University of Toronto :*

SIR,—I beg to submit the following report on work carried on during the year under the appropriation provided for exploration in connection with vertebrate palaeontology.

With the assistance of Professor F. M. Burwash of Columbian College, New Westminster, B.C., I made collections of fossil vertebrates from Cretaceous exposures in Alberta, the locality visited being about forty miles north of Brooks Station on the Canadian Pacific Railway. The material which is now temporarily housed in the Biological Department, contains much of value from research and museum standpoints. It is hoped that museum facilities will be provided for the accommodation and display of specimens illustrating the fossil vertebrates from Canadian formations. For the present it is proposed to spend a portion of the fund for the preparation of material in hand in order to insure its permanence. It is unlikely that collections will be made during the coming summer unless late in the season on account of duties in connection with the summer session.

Yours respectfully,

B. A. BENSLEY.

